

Title (en)
ARTICLE DIVERTING CONVEYOR BELT

Title (de)
FÖRDERBAND MIT ARTIKELUMLEITUNG

Title (fr)
BANDE TRANSPORTEUSE DE DEVIATION D'ARTICLES

Publication
EP 3116815 A4 20171115 (EN)

Application
EP 15762334 A 20150312

Priority
• US 201461952425 P 20140313
• US 2015020163 W 20150312

Abstract (en)
[origin: US2015259146A1] An article-diverting modular conveyor belt employs an article mover on a conveyor belt module for selectively moving a conveyed article towards a side of the module. The article mover may be a transversely-extending endless belt for carrying articles across the belt towards a side of the module. Rollers below the conveyor belt are selectively activated to induce movement of the article mover.

IPC 8 full level
B65G 17/34 (2006.01); **B65G 17/08** (2006.01); **B65G 47/24** (2006.01); **B65G 47/96** (2006.01)

CPC (source: EP US)
B65G 17/08 (2013.01 - EP US); **B65G 17/345** (2013.01 - EP US); **B65G 47/96** (2013.01 - EP US)

Citation (search report)
• [IAY] US 2010078297 A1 20100401 - ANDERSEN KENNETH WESTERGAARD [DK]
• [YA] US 2003209405 A1 20031113 - GREVE CHRISTOPHER G [US], et al
• [A] US 2008121495 A1 20080529 - PRESSLER ERIC M [US], et al
• [A] JP 2005138918 A 20050602 - NAKAI KOGYO KK
• [A] US 2001045346 A1 20011129 - COSTANZO MARK B [US]
• [A] WO 0026123 A1 20000511 - KVP FALCON PLASTIC BELTING INC [US]
• [Y] US 2013343794 A1 20131226 - TAKIFUJI KOTARO [JP], et al
• [A] DE 3628671 A1 19870312 - INCO LTD [CA]
• See references of WO 2015138715A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2015259146 A1 20150917; US 9434547 B2 20160906; CN 106232508 A 20161214; CN 106232508 B 20200131; DK 3116815 T3 20200406; EP 3116815 A1 20170118; EP 3116815 A4 20171115; EP 3116815 B1 20200129; JP 2017507867 A 20170323; JP 2019123624 A 20190725; JP 6524561 B2 20190605; JP 6871963 B2 20210519; WO 2015138715 A1 20150917

DOCDB simple family (application)
US 201514645986 A 20150312; CN 201580020736 A 20150312; DK 15762334 T 20150312; EP 15762334 A 20150312; JP 2016556813 A 20150312; JP 2019066444 A 20190329; US 2015020163 W 20150312